## RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number:	10/707.980B
Source:	1FW/6.
Date Processed by STIC:	9/25/06

# ENTERED



#### IFW16

RAW SEQUENCE LISTING DATE: 09/25/2006
PATENT APPLICATION: US/10/707,980B TIME: 09:43:27

```
3 <110> APPLICANT: ROSETTA GENOMICS LTD
              Itzhak Bentwich
       <120> TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY
              OLIGONUCLEOTIDES AND USES THEREOF
      9 <130> FILE REFERENCE: EFS16
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/707,980B
C--> 11 <141> CURRENT FILING DATE: 2004-01-29
     11 <150> PRIOR APPLICATION NUMBER: 10/707,980
     13 <160> NUMBER OF SEQ ID NOS: 142700
     15 <170> SOFTWARE: PatentIn version 3.3
     17 <210> SEQ ID NO: 1
     18 <211> LENGTH: 22
     19 <212> TYPE: RNA
     20 <213> ORGANISM: Human
     22 <400> SEQUENCE: 1
     23 aaaaugcuua caggcaguag cc
                                                                                22
     26 <210> SEQ ID NO: 2
     27 <211> LENGTH: 22
     28 <212> TYPE: RNA
     29 <213> ORGANISM: Human
     31 <400> SEQUENCE: 2
     32 aaagugcuca uagugcaggu ag
                                                                                22
     35 <210> SEQ ID NO: 3
     36 <211> LENGTH: 22
     37 <212> TYPE: RNA
     38 <213> ORGANISM: Human
     40 <400> SEQUENCE: 3
     41 acaugaucuc cucacucuag ga
                                                                                22
     44 <210> SEQ ID NO: 4
     45 <211> LENGTH: 22
     46 <212> TYPE: RNA
     47 <213> ORGANISM: Human
     49 <400> SEQUENCE: 4
    50 acugcacucc agccugggca ac
                                                                                22
    53 <210> SEQ ID NO: 5
     54 <211> LENGTH: 22
     55 <212> TYPE: RNA
     56 <213> ORGANISM: Human
     58 <400> SEQUENCE: 5
    59 agggcugugg guguggcugu gc
                                                                                22
    62 <210> SEQ ID NO: 6
    63 <211> LENGTH: 22
    64 <212> TYPE: RNA
```

65 <213> ORGANISM: Human 67 <400> SEQUENCE: 6	
68 aucacagagg cuuaagugcu ga	22
71 <210> SEQ ID NO: 7	
72 <211> LENGTH: 22	
73 <212> TYPE: RNA	
74 <213> ORGANISM: Human 76 <400> SEQUENCE: 7	
77 aucacauuge cagugauuae ee	22
80 <210> SEQ ID NO: 8	22
81 <211> LENGTH: 22	
82 <212> TYPE: RNA	
83 <213> ORGANISM: Human	
85 <400> SEQUENCE: 8	
86 cauugcacuc cagccugggc aa	22
89 <210> SEQ ID NO: 9	
90 <211> LENGTH: 22	
91 <212> TYPE: RNA	
92 <213> ORGANISM: Human 94 <400> SEQUENCE: 9	÷
94 <4005 SEQUENCE: 9 95 uaaggugcau cuagugcagu ua	22
98 <210> SEQ ID NO: 10	22
99 <211> LENGTH: 22	
100 <212> TYPE: RNA	
101 <213> ORGANISM: Human	
103 <400> SEQUENCE: 10	
104 uaauacugcc ggguaaugau gg	22
107 <210> SEQ ID NO: 11	
108 <211> LENGTH: 22	
109 <212> TYPE: RNA	
110 <213> ORGANISM: Human	
112 <400> SEQUENCE: 11	22
113 uagcagcaca uaaugguuug aa 116 <210> SEQ ID NO: 12	22
117 <211> LENGTH: 22	
118 <212> TYPE: RNA	
119 <213> ORGANISM: Human	
121 <400> SEQUENCE: 12	
122 uagguaguuu ccuguuguug gg	22
125 <210> SEQ ID NO: 13	
126 <211> LENGTH: 22	
127 <212> TYPE: RNA	
128 <213> ORGANISM: Human	
130 <400> SEQUENCE: 13	
131 ucaagcucau uccucuaacc uc	22
134 <210> SEQ ID NO: 14 135 <211> LENGTH: 22	
135 <211> LENGIH: 22 136 <212> TYPE: RNA	
137 <213> ORGANISM: Human	

139	<400> SEQUENCE: 14		
140	ucggcaggga acaggaagua	gg	22
143	<210> SEQ ID NO: 15		
	<211> LENGTH: 22		
145	<212> TYPE: RNA		
146	<213> ORGANISM: Human		
148	<400> SEQUENCE: 15		
149	uucagagugg uuaagaucau	gg	22
152	<210> SEQ ID NO: 16		
153	<211> LENGTH: 22		
	<212> TYPE: RNA		
155	<213> ORGANISM: Human		
157	<400> SEQUENCE: 16		
158	uuccucugcc acgucuuucc	cu	22
161	<210> SEQ ID NO: 17		
162	<211> LENGTH: 22	·	
163	<212> TYPE: RNA		
164	<213> ORGANISM: Human		
166	<400> SEQUENCE: 17		
167	uuuccacagc ggccaauucu	uc	22
170	<210> SEQ ID NO: 18		
171	<211> LENGTH: 22	•	
172	<212> TYPE: RNA	•	
	<213> ORGANISM: Human		
175	<400> SEQUENCE: 18		
176	aaggcacuug cccagagcug	ca	22
179	<210> SEQ ID NO: 19		
180	<211> LENGTH: 23		
	<212> TYPE: RNA	•	•
	<213> ORGANISM: Human		
	<400> SEQUENCE: 19		
	aaucaucauu auuuugaagu	uua	23
	<210> SEQ ID NO: 20		
	<211> LENGTH: 22		
	<212> TYPE: RNA		
	<213> ORGANISM: Human		
	<400> SEQUENCE: 20		
	aauugcuuga acccaggaag	ug	22
	<210> SEQ ID NO: 21		
	<211> LENGTH: 22		
	<212> TYPE: RNA		
	<213> ORGANISM: Human	•	
	<400> SEQUENCE: 21		
	aguagacagu ggcaacauag	uc	22
	<210> SEQ ID NO: 22		
	<211> LENGTH: 22		
	<212> TYPE: RNA		
	<213> ORGANISM: Human		
211	<400> SEQUENCE: 22		

215 216 217 218	agugggaugg agucagcaga <210> SEQ ID NO: 23 <211> LENGTH: 22 <212> TYPE: RNA <213> ORGANISM: Human <400> SEQUENCE: 23	ag	22
221 224 225 226	cacugcacuc cagccugggc <210> SEQ ID NO: 24 <211> LENGTH: 22 <212> TYPE: RNA	aa	22
	<213> ORGANISM: Human <400> SEQUENCE: 24		
	cuagacugaa gcuccuugag	αa	22
	<210> SEQ ID NO: 25	· .	
	<211> LENGTH: 22	•	
235	<212> TYPE: RNA		
236	<213> ORGANISM: Human		
238	<400> SEQUENCE: 25		
	cuagecuguu uguccucace	cc .	22
	<210> SEQ ID NO: 26		
	<211> LENGTH: 22		
	<212> TYPE: RNA		
	<213> ORGANISM: Human <400> SEQUENCE: 26		
	gaaggcagua gguuguauag	1111	22
	<210> SEQ ID NO: 27	du .	22
	<211> LENGTH: 22		
	<212> TYPE: RNA		
254	<213> ORGANISM: Human		
256	<400> SEQUENCE: 27		
257	gaaguuugaa gccuguuguu	ca	22
260	<210> SEQ ID NO: 28		
-	<211> LENGTH: 22		
	<212> TYPE: RNA		
	<213> ORGANISM: Human	·	
	<400> SEQUENCE: 28		22
	guguuccagg aagucgucuu	ga	22
	<210> SEQ ID NO: 29 <211> LENGTH: 17		
	<212> TYPE: RNA		
	<213> ORGANISM: Human		
	<400> SEQUENCE: 29		
	uaaggcauuu uuauggu		17
	<210> SEQ ID NO: 30		
	<211> LENGTH: 22		
280	<212> TYPE: RNA		
	<213> ORGANISM: Human		
	<400> SEQUENCE: 30	•	_
284	ucacagugaa ccggucucuu	uc	22

290 <2133 ORGANISM: Human 292 <400 > SEQUENCE: 31 293 ucacugcaac cucugcugcc ug 20400 > SEQUENCE: 32 296 <210 > SEQ ID NO: 32 297 <211 > LENGTH: 22 298 <212 > TYPE: RNA 299 <213 > ORGANISM: Human 301 <400 > SEQUENCE: 32 302 ucucagagaa aggaaguuca ga 305 <210 > SEQ ID NO: 33 306 <211 > LENGTH: 22 307 <212 > TYPE: RNA 310 <400 > SEQUENCE: 33 311 ucuugugaaa ucuguggacc cu 314 <210 > SEQ ID NO: 34 315 <211 > LENGTH: 20 316 <212 > TYPE: RNA 317 <213 > ORGANISM: Human 310 <400 > SEQUENCE: 33 311 ucuugugaaa ucuguggacc cu 314 <210 > SEQ ID NO: 34 315 <211 > LENGTH: 20 316 <212 > TYPE: RNA 317 <213 > ORGANISM: Human 319 <400 > SEQUENCE: 34 320 ugagguggga ucccgaggcc, 323 <210 > SEQ ID NO: 35 324 <211 > LENGTH: 17 325 <212 > TYPE: RNA 326 <213 > ORGANISM: Human 328 <400 > SEQUENCE: 35 329 uggcuaggua agggaag 32 <10 > SEQ ID NO: 36 333 <211 > LENGTH: 22 343 <212 > TYPE: RNA 355 <212 > TYPE: RNA 366 <213 > ORGANISM: Human 374 <400 > SEQUENCE: 35 38 uuggaguaa aggaaag 393 <210 > SEQ ID NO: 36 333 <211 > LENGTH: 22 343 <212 > TYPE: RNA 345 <213 > ORGANISM: Human 347 <400 > SEQUENCE: 36 338 uuggaguaau aggaaag 374 <212 > TYPE: RNA 347 <400 > SEQUENCE: 36 348 <212 > TYPE: RNA 349 <212 > TYPE: RNA 340 > SEQUENCE: 36 351	288	<210> SEQ ID NO: 31 <211> LENGTH: 22 <212> TYPE: RNA		
291 scacugcaac cucugcugcc ug 296 <210 > SEQ ID NO: 32 297 <211 > LENGTH: 22 298 <212 > TYPE: RNA 299 <212 > ORGANISM: Human 301 <400 > SEQUENCE: 32 302 ucuaagagaa aggaaguuca ga 205 <210 > SEQ ID NO: 33 306 <211 > LENGTH: 22 307 <212 > TYPE: RNA 308 <213 > ORGANISM: Human 310 <400 > SEQUENCE: 33 311 ucuuagagaa cucuguggacc cu 314 <210 > SEQ ID NO: 34 315 <211 > LENGTH: 20 314 <210 > SEQ ID NO: 34 315 <211 > LENGTH: 20 316 <212 > TYPE: RNA 317 <213 > ORGANISM: Human 319 <400 > SEQUENCE: 34 310	290	<213> ORGANISM: Human		
296 < 210 > SEQ ID NO: 32 297 < 211 > LENGTH: 22 298 < 212 > TYPE: RNA 299 < 2213 > ORGANISM: Human 301 < 400 > SEQUENCE: 32 302 ucuaagagaa aggaaguuca ga				
297 < 211> LENGTH: 22 298 < 212> TYPE: RNA 299 < 213> ORGANISM: Human 301 < 400> SEQUENCE: 32 305 < 210> SEQ ID NO: 33 306 < 221> LENGTH: 22 307 < 212> TYPE: RNA 308 < 231> ORGANISM: Human 310 < 400> SEQUENCE: 33 306 < 211> LENGTH: 22 307 < 212> TYPE: RNA 308 < 213> ORGANISM: Human 310 < 400> SEQUENCE: 33 311 ucuugugaaa ucuguggacc cu 314 < 210> SEQ ID NO: 34 315 < 211> LENGTH: 20 316 < 212> TYPE: RNA 317 < 213> ORGANISM: Human 319 < 4400 SEQUENCE: 34 320 ugagguggaa ucccgaggcc, 321 < 211> LENGTH: 20 322 < 2121			ug .	22
299 <213> ORGANISM: Human 301 <400> SEQUENCE: 32 302 ucuaagagaa aggaaguuca ga 22 305 <210> SEQ ID NO: 33 306 <211> LENGTH: 22 307 <212> TYPE: RNA 308 <213> ORGANISM: Human 310 <400> SEQUENCE: 33 311 ucuugugaaa ucuguggaac cu 22 314 <210> SEQ ID NO: 34 315 <211> LENGTH: 20 316 <212> TYPE: RNA 317 <213> ORGANISM: Human 319 <400> SEQUENCE: 34 320 ugaaguuggaa uccagaagac, 320 <210> SEQ ID NO: 35 324 <211> LENGTH: 17 325 <212> TYPE: RNA 326 <213> ORGANISM: Human 329 <400> SEQUENCE: 35 324 <211> LENGTH: 17 325 <212> TYPE: RNA 326 <213> ORGANISM: Human 327 <400> SEQUENCE: 35 328 <400> SEQUENCE: 35 329 uggcuaagua agggaag 317 320 <210> SEQ ID NO: 36 333 <211> LENGTH: 12 334 <212> TYPE: RNA 335 <213> ORGANISM: Human 337 <400> SEQUENCE: 36 338 uuggaguaau ucaguauagg uu 320			·	
301 <400> SEQUENCE: 32 302 ucuaagagaa aggaaguuca ga 305 <210> SEQ ID NO: 33 306 <211> LENGTH: 22 307 <212> TYPE: RNA 308 <213> ORGANISM: Human 310 <400> SEQUENCE: 33 311 ucuugugaaa ucugugacc cu 22 314 <210> SEQ ID NO: 34 315 <211> LENGTH: 20 316 <212> TYPE: RNA 317 <213> ORGANISM: Human 319 <400> SEQUENCE: 34 320 ugagguggga ucccgaaggcc, 20 ugagguggga ucccgaaggcc, 210> SEQ ID NO: 35 324 <211> LENGTH: 17 325 <212> TYPE: RNA 326 <213> ORGANISM: Human 328 <400> SEQUENCE: 35 329 uggcuaggua agggaag 317 322 <210> SEQ ID NO: 36 333 <211> LENGTH: 22 344 <212> TYPE: RNA 355 <213> ORGANISM: Human 337 <400> SEQUENCE: 36 381 uggguagua ucaguauagg uu 22 341 <210> SEQ ID NO: 37 342 <211> LENGTH: 22 343 <212> TYPE: RNA 344 <213> ORGANISM: Human 347 <400> SEQUENCE: 36 381 uggguagua ucaguauagg uu 22 341 <210> SEQ ID NO: 37 342 <211> LENGTH: 22 343 <212> TYPE: RNA 344 <213> ORGANISM: Human 346 <400> SEQUENCE: 37 347 aaaagcuaga aggagacug u 22 350 <210> SEQ ID NO: 38 351 <211> LENGTH: 22 352 <212> TYPE: RNA 353 <213> ORGANISM: Human 354 <400> SEQUENCE: 37 355 <213> ORGANISM: Human 356 <400> SEQUENCE: 37 357	298	<212> TYPE: RNA		
302 ucuaagagaa aggaaguuca ga 305 <210 > SEQ ID NO: 33 306 <211 > LENGTH: 22 307 <212 > TYPE: RNA 308 <213 > ORGANISM: Human 310 <400 > SEQUENCE: 33 311 ucuugugaaa ucuguggacc cu 22 314 <210 > SEQ ID NO: 34 315 <211 > LENGTH: 20 316 <212 > TYPE: RNA 317 <213 > ORGANISM: Human 317 <213 > ORGANISM: Human 319 <400 > SEQUENCE: 34 320 ugagguggga ucccgaggcc, 20 ugagguggga ucccgaggcc, 212 > TYPE: RNA 319 <400 > SEQUENCE: 34 320 ugagguggga ucccgaggcc, 323 <210 > SEQ ID NO: 35 324 <211 > LENGTH: 17 325 <212 > TYPE: RNA 326 <213 > ORGANISM: Human 328 <400 > SEQUENCE: 35 329 uggcuaggua agggaag 317 322 <210 > SEQ ID NO: 36 333 <211 > LENGTH: 22 334 <212 > TYPE: RNA 335 <213 > ORGANISM: Human 337 <400 > SEQUENCE: 36 338 uuggaguaau ucaguauagg uu 22 341 <210 > SEQ ID NO: 37 342 <211 > LENGTH: 22 343 <212 > TYPE: RNA 344 <213 > ORGANISM: Human 354 <210 > SEQ ID NO: 37 342 <211 > LENGTH: 22 343 <212 > TYPE: RNA 344 <213 > ORGANISM: Human 344 <210 > SEQ ID NO: 37 347 aaaagcuaga aggagacugg gu 22 340 <210 > SEQ ID NO: 38 347 aaaagcuaga aggagacugg gu 22 350 <210 > SEQ ID NO: 38 351 <211 > LENGTH: 22 352 <212 > TYPE: RNA 353 <213 > ORGANISM: Human 353 <400 > SEQUENCE: 37 347 aaaagcuaga aggagacugg gu 22 350 <210 > SEQ ID NO: 38 353 <213 > ORGANISM: Human 355 <400 > SEQUENCE: 38 356 aaaagugccu gcugcugcuu cu				
305 <210> SEQ ID NO: 33 306 <211> LENGTH: 22 307 <212> TYPE: RNA 308 <213> ORGANISM: Human 310 <400> SEQUENCE: 33 311 ucuugugaaa ucuguggacc cu		<del></del>		00
306 <211> LENGTH: 22 307 <212> TYPE: RNA 308 <213> ORGANISM: Human 310 <400> SEQUENCE: 33 311 ucuugugaaa ucuguggacc cu 315 <211> LENGTH: 20 316 <212> TYPE: RNA 317 <213> ORGANISM: Human 319 <400> SEQUENCE: 34 320 ugaggugga ucccgaggcc, 320 <210> SEQ ID NO: 35 324 <211> LENGTH: 17 325 <212> TYPE: RNA 326 <213> ORGANISM: Human 327 <213> ORGANISM: Human 328 <400> SEQUENCE: 35 329 uggcuaggua agggaag 320 <210> SEQ ID NO: 36 333 <211> LENGTH: 22 334 <212> TYPE: RNA 335 <213> ORGANISM: Human 337 <400> SEQUENCE: 36 388 uuggaguaau ucaguauagg uu 321 <210> SEQ ID NO: 37 324 <212> TYPE: RNA 336 <213> ORGANISM: Human 337 <400> SEQUENCE: 36 388 uuggaguaau ucaguauagg uu 320 <311  LENGTH: 22 331			ga	22
307 <212> TYPE: RNA 308 <213> ORGANISM: Human 310 <400> SEQUENCE: 33 311 ucuugugaaa ucuguggacc cu 22 314 <210> SEQ ID NO: 34 315 <211> LENGTH: 20 316 <212> TYPE: RNA 317 <213> ORGANISM: Human 319 <400> SEQUENCE: 34 320 ugagguggga ucccgaggcc, 20 323 <210> SEQ ID NO: 35 324 <211> LENGTH: 17 325 <212> TYPE: RNA 326 <213> ORGANISM: Human 328 <400> SEQUENCE: 35 329 uggcuaggua agggaag 320		· · · · · · · · · · · · · · · · · · ·	·	
308 <213> ORGANISM: Human 310 <400> SEQUENCE: 33 311 ucuugugaaa ucuguggacc cu 22 314 <210> SEQ ID NO: 34 315 <211> LENGTH: 20 316 <212> TYPE: RNA 317 <213> ORGANISM: Human 319 <400> SEQUENCE: 34 320 ugaggugga ucccgaggcc, 20 323 <210> SEQ ID NO: 35 324 <211> LENGTH: 17 325 <212> TYPE: RNA 326 <213> ORGANISM: Human 328 <400> SEQUENCE: 35 329 uggcuagqua agggaag 37 322 <210> SEQ ID NO: 36 333 <211> LENGTH: 22 334 <212> TYPE: RNA 335 <213> ORGANISM: Human 337 <400> SEQUENCE: 36 338 uuggaguaaa uccguaagg uu 22 341 <210> SEQ ID NO: 37 342 <211> LENGTH: 22 343 <212> TYPE: RNA 355 <213> ORGANISM: Human 377 <400> SEQUENCE: 36 388 uuggaguaau ucaguaaagg uu 22 341 <210> SEQ ID NO: 37 342 <211> LENGTH: 22 343 <212> TYPE: RNA 355 <213> ORGANISM: Human 366 <400> SEQUENCE: 37 37 384 <211> LENGTH: 22 385 <212> TYPE: RNA 386 <400> SEQUENCE: 37 387				
310 <400> SEQUENCE: 33 311 ucuugugaaa ucuguggacc cu 22 314 <210> SEQ ID NO: 34 315 <211> LENGTH: 20 316 <212> TYPE: RNA 317 <213> ORGANISM: Human 319 <400> SEQUENCE: 34 320 ugagguggga ucccgaggcc, 20 323 <210> SEQ ID NO: 35 324 <211> LENGTH: 17 325 <212> TYPE: RNA 326 <213> ORGANISM: Human 328 <400> SEQUENCE: 35 329 uggcuaggua agggaag 327 332 <210> SEQ ID NO: 36 333 <211> LENGTH: 22 334 <212> TYPE: RNA 335 <213> ORGANISM: Human 337 <400> SEQUENCE: 36 338 uuggaguaau ucaguauagg uu 325 <213> ORGANISM: Human 337 <400> SEQUENCE: 36 338 uuggaguaau ucaguauagg uu 327 341 <210> SEQ ID NO: 37 342 <211> LENGTH: 22 343 <212> TYPE: RNA 344 <212> TYPE: RNA 345 <213> ORGANISM: Human 346 <400> SEQUENCE: 37 347 aaaagcuaga aggagacugg gu 22 343 <212> TYPE: RNA 344 <213> ORGANISM: Human 346 <400> SEQUENCE: 37 347 aaaagcuaga aggagacugg gu 22 350 <210> SEQ ID NO: 38 351 <211> LENGTH: 22 352 <212> TYPE: RNA 353 <213> ORGANISM: Human 355 <400> SEQUENCE: 38 356 aaaagugccu gcuucuu cu 22				
311 ucuugugaaa ucuguggacc cu 314 <210 > SEQ ID NO: 34 315 <211 > LENGTH: 20 316 <212 > TYPE: RNA 317 <213 > ORGANISM: Human 319 <400 > SEQUENCE: 34 320 ugaggugga ucccgaggcc, 321 <210 > SEQ ID NO: 35 324 <211 > LENGTH: 17 325 <212 > TYPE: RNA 326 <213 > ORGANISM: Human 328 <400 > SEQUENCE: 35 329 uggcuaggua agggaag 320 vggcuaggua agggaag 331 <212 > SEQ ID NO: 36 333 <211 > LENGTH: 22 334 <212 > TYPE: RNA 335 <213 > ORGANISM: Human 337 <400 > SEQUENCE: 36 338 uuggaguaa ucaguaagg uu 324 <212 > TYPE: RNA 335 <213 > ORGANISM: Human 337 <400 > SEQUENCE: 36 338 uuggaguaau ucaguauagg uu 22 341 <210 > SEQ ID NO: 37 342 <211 > LENGTH: 22 343 <212 > TYPE: RNA 344 <213 > ORGANISM: Human 346 <400 > SEQUENCE: 37 347 aaaagcuaga aggagacugg gu 340 <210 > SEQ ID NO: 38 351 <211 > LENGTH: 22 352 <212 > TYPE: RNA 353 <213 > ORGANISM: Human 366 <400 > SEQUENCE: 37 367 aaaagcuaga aggagacugg gu 370 <210 > SEQ ID NO: 38 351 <211 > LENGTH: 22 352 <212 > TYPE: RNA 353 <213 > ORGANISM: Human 356 <400 > SEQUENCE: 38 356 aaaagugccu gcugcugcuu cu 22				
314 <210> SEQ ID NO: 34 315 <211> LENGTH: 20 316 <212> TYPE: RNA 317 <213> ORGANISM: Human 319 <400> SEQUENCE: 34 320  ugagguggga ucccgaggcc, 20 323 <210> SEQ ID NO: 35 324 <211> LENGTH: 17 325 <212> TYPE: RNA 326 <213> ORGANISM: Human 328 <400> SEQUENCE: 35 329  uggcuaggua agggaag 17 332 <210> SEQ ID NO: 36 333 <211> LENGTH: 22 334 <212> TYPE: RNA 335 <213> ORGANISM: Human 337 <400> SEQUENCE: 36 338  uuggaguaau ucaguauagg uu 22 341 <210> SEQ ID NO: 37 342 <211> LENGTH: 22 343 <211> LENGTH: 22 344 <212> TYPE: RNA 355 <213> ORGANISM: Human 366 <400> SEQUENCE: 36 370  uuggaguaau ucaguauagg uu 22 381 <212> TYPE: RNA 384 <213> ORGANISM: Human 395 <213> ORGANISM: Human 396 <400> SEQUENCE: 37 397  uaaagcuaga aggagacugg gu 22 398  uuggaguaau ucaguaugg gu 22 399  uuggaguaau ucaguaugg gu 22 399  uuggaguaau ucaguaugg gu 22 390 <210> SEQ ID NO: 38 391 <211> LENGTH: 22 392  uuggaguaau ucaggaacugg gu 22 393  uuggaguaau ucaggaacugg gu 22 394  uuggaguaau ucaggaacugg gu 22 395  uuggaguaau ucaggaacugg gu 22 396  uuggaguaau ucaggaacugg gu 22 397  uuggaguaau ucaggaacugg gu 22 398  uuggaguaau ucaggaacugg gu 22 399  uuggaguaau ucaggaacugg gu 22 390  uuggaguaau ucaggaacuggaacuggaacuggaacuggaacuggaacuga			cu	22
316 <212> TYPE: RNA 317 <213> ORGANISM: Human 319 <400> SEQUENCE: 34 320 ugaggugga ucccgaggcc, 20 323 <210> SEQ ID NO: 35 324 <211> LENGTH: 17 325 <212> TYPE: RNA 326 <213> ORGANISM: Human 328 <400> SEQUENCE: 35 329 uggcuaggua agggaag 17 322 <210> SEQ ID NO: 36 333 <211> LENGTH: 22 334 <212> TYPE: RNA 335 <213> ORGANISM: Human 337 <400> SEQUENCE: 36 338 uuggaguaa u ccaguauagg uu 22 341 <210> SEQ ID NO: 37 342 <211> LENGTH: 22 343 <212> TYPE: RNA 344 <212> TYPE: RNA 345 <213> ORGANISM: Human 346 <400> SEQUENCE: 36 38 luugagguaau u caguauagg uu 22 341 <210> SEQ ID NO: 37 342 <211> LENGTH: 22 343 <212> TYPE: RNA 344 <213> ORGANISM: Human 346 <400> SEQUENCE: 37 347 aaaagcuaga aggagacugg gu 22 350 <210> SEQ ID NO: 38 351 <211> LENGTH: 22 352 <212> TYPE: RNA 353 <213> ORGANISM: Human 355 <400> SEQUENCE: 38 356 aaaagugccu gcugcugcuu cu 22				
317 <213 > ORGANISM: Human 319 <400 > SEQUENCE: 34 320 ugaggugga uccgaggcc, 20 323 <210 > SEQ ID NO: 35 324 <211 > LENGTH: 17 325 <212 > TYPE: RNA 326 <213 > ORGANISM: Human 328 <400 > SEQUENCE: 35 329 uggcuaggua agggaag 17 332 <210 > SEQ ID NO: 36 333 <211 > LENGTH: 22 334 <212 > TYPE: RNA 335 <213 > ORGANISM: Human 337 <400 > SEQUENCE: 36 338 uuggaguaau ucaguauagg uu 22 341 <210 > SEQ ID NO: 37 342 <211 > LENGTH: 22 343 <212 > TYPE: RNA 344 <213 > ORGANISM: Human 346 <400 > SEQUENCE: 37 347 aaaagcuaga aggagacugg gu 22 350 <210 > SEQ ID NO: 38 351 <211 > LENGTH: 22 352 <212 > TYPE: RNA 353 <213 > ORGANISM: Human 354 <400 > SEQUENCE: 37 355 <400 > SEQUENCE: 38 356 aaaagugccu gcugcugcuu cu 22	315	<211> LENGTH: 20		
319 <400> SEQUENCE: 34 320 ugaggugga ucccgaggcc, 20 323 <210> SEQ ID NO: 35 324 <211> LENGTH: 17 325 <212> TYPE: RNA 326 <213> ORGANISM: Human 328 <400> SEQUENCE: 35 329 uggcuaggua agggaag 17 332 <210> SEQ ID NO: 36 333 <211> LENGTH: 22 334 <212> TYPE: RNA 335 <213> ORGANISM: Human 337 <400> SEQUENCE: 36 338 uuggaguaau ucaguauagg uu 22 341 <210> SEQ ID NO: 37 342 <211> LENGTH: 22 343 <212> TYPE: RNA 335 <213> ORGANISM: Human 337 <400> SEQUENCE: 36 338 uuggaguaau ucaguauagg uu 22 341 <210> SEQ ID NO: 37 342 <211> LENGTH: 22 343 <212> TYPE: RNA 344 <213> ORGANISM: Human 346 <400> SEQUENCE: 37 347 aaaagcuaga aggagacugg gu 22 350 <210> SEQ ID NO: 38 351 <211> LENGTH: 22 352 <212> TYPE: RNA 353 <213> ORGANISM: Human 355 <400> SEQUENCE: 38 356 aaaagugccu gcugcugcuu cu 22	316	<212> TYPE: RNA		
320 ugaggugga ucccgaggcc, 20 323 <210> SEQ ID NO: 35 324 <211> LENGTH: 17 325 <212> TYPE: RNA 326 <213> ORGANISM: Human 328 <400> SEQUENCE: 35 329 uggcuaggua agggaag 17 332 <210> SEQ ID NO: 36 333 <211> LENGTH: 22 334 <212> TYPE: RNA 335 <213> ORGANISM: Human 337 <400> SEQUENCE: 36 338 uuggaguaau ucaguauagg uu 22 341 <210> SEQ ID NO: 37 342 <211> LENGTH: 22 343 <212> TYPE: RNA 344 <212> TYPE: RNA 353 <213> ORGANISM: Human 364 <400> SEQUENCE: 36 37 347 aaaagcuaga aggagacugg gu 22 350 <210> SEQ ID NO: 37 347 aaaagcuaga aggagacugg gu 22 350 <210> SEQ ID NO: 38 351 <211> LENGTH: 22 352 <212> TYPE: RNA 353 <213> ORGANISM: Human 355 <400> SEQUENCE: 37 347 aaaagcuaga aggagacugg gu 22 350 <210> SEQ ID NO: 38 351 <211> LENGTH: 22 352 <212> TYPE: RNA 353 <213> ORGANISM: Human 355 <400> SEQUENCE: 38				
323 <210> SEQ ID NO: 35 324 <211> LENGTH: 17 325 <212> TYPE: RNA 326 <213> ORGANISM: Human 328 <400> SEQUENCE: 35 329 uggcuaggua agggaag 17 332 <210> SEQ ID NO: 36 333 <211> LENGTH: 22 334 <212> TYPE: RNA 335 <213> ORGANISM: Human 337 <400> SEQUENCE: 36 338 uuggaguaau ucaguauagg uu 22 341 <210> SEQ ID NO: 37 342 <211> LENGTH: 22 343 <212> TYPE: RNA 344 <211> LENGTH: 22 343 <212> TYPE: RNA 355 <213> ORGANISM: Human 366 <400> SEQUENCE: 37 37 38		_		
324 <211> LENGTH: 17 325 <212> TYPE: RNA 326 <213> ORGANISM: Human 328 <400> SEQUENCE: 35 329 uggcuaggua agggaag 17 332 <210> SEQ ID NO: 36 333 <211> LENGTH: 22 334 <212> TYPE: RNA 335 <213> ORGANISM: Human 337 <400> SEQUENCE: 36 338 uuggaguaau ucaguauagg uu 22 341 <210> SEQ ID NO: 37 342 <211> LENGTH: 22 343 <211> SEQUENCE: 36 37 38 uuggaguaau ucaguauagg uu 22 341 <210> SEQ ID NO: 37 342 <211> LENGTH: 22 343 <212> TYPE: RNA 344 <213> ORGANISM: Human 346 <400> SEQUENCE: 37 347 aaaagcuaga aggagacugg gu 22 350 <210> SEQ ID NO: 38 351 <211> LENGTH: 22 352 <212> TYPE: RNA 353 <213> ORGANISM: Human 355 <400> SEQUENCE: 38 356 aaaagugccu gcugcugcuu cu 22			!	20
325 <212> TYPE: RNA 326 <213> ORGANISM: Human 328 <400> SEQUENCE: 35 329 uggcuaggua agggaag 327 332 <210> SEQ ID NO: 36 333 <211> LENGTH: 22 334 <212> TYPE: RNA 335 <213> ORGANISM: Human 337 <400> SEQUENCE: 36 338 uuggaguaau ucaguauagg uu 32 341 <210> SEQ ID NO: 37 342 <211> LENGTH: 22 343 <212> TYPE: RNA 344 <213> ORGANISM: Human 346 <400> SEQUENCE: 36 37 38 uuggaguaau ucaguauagg uu 39 30 31 31 32 33 34 34 35 35 35 36 37 37 38 38 38 38 38 38 38 38 38 38 38 38 38				
326 <213> ORGANISM: Human 328 <400> SEQUENCE: 35 329 uggcuaggua agggaag				
328 <400> SEQUENCE: 35 329 uggcuaggua agggaag 17 332 <210> SEQ ID NO: 36 333 <211> LENGTH: 22 334 <212> TYPE: RNA 335 <213> ORGANISM: Human 337 <400> SEQUENCE: 36 338 uuggaguaau ucaguauagg uu 22 341 <210> SEQ ID NO: 37 342 <211> LENGTH: 22 343 <212> TYPE: RNA 344 <211> LENGTH: 22 343 <212> TYPE: RNA 344 <213> ORGANISM: Human 346 <400> SEQUENCE: 37 347 aaaagcuaga aggagacugg gu 22 350 <210> SEQ ID NO: 38 351 <211> LENGTH: 22 352 <212> TYPE: RNA 353 <213> ORGANISM: Human 355 <400> SEQ ID NO: 38 356 aaaagugccu gcugcugcuu cu 22	-			
329 uggcuaggua agggaag       17         332 <210> SEQ ID NO: 36         333 <211> LENGTH: 22         334 <212> TYPE: RNA         335 <213> ORGANISM: Human         337 <400> SEQUENCE: 36         338 uuggaquaau ucaguauagg uu       22         341 <210> SEQ ID NO: 37         342 <211> LENGTH: 22         343 <212> TYPE: RNA         344 <213> ORGANISM: Human         346 <400> SEQUENCE: 37         347 aaaagcuaga aggagacugg gu       22         350 <210> SEQ ID NO: 38         351 <211> LENGTH: 22         352 <212> TYPE: RNA         353 <213> ORGANISM: Human         355 <400> SEQUENCE: 38         356 aaaagugccu gcugcugcuu cu       22				
332 <210> SEQ ID NO: 36 333 <211> LENGTH: 22 334 <212> TYPE: RNA 335 <213> ORGANISM: Human 337 <400> SEQUENCE: 36 338 uuggaguaau ucaguauagg uu 22 341 <210> SEQ ID NO: 37 342 <211> LENGTH: 22 343 <212> TYPE: RNA 344 <213> ORGANISM: Human 346 <400> SEQUENCE: 37 347 aaaagcuaga aggagacugg gu 22 350 <210> SEQ ID NO: 38 351 <211> LENGTH: 22 352 <212> TYPE: RNA 353 <213> ORGANISM: Human 355 <400> SEQUENCE: 37				17
334 <212> TYPE: RNA 335 <213> ORGANISM: Human 337 <400> SEQUENCE: 36 338 uuggaguaau ucaguauagg uu 22 341 <210> SEQ ID NO: 37 342 <211> LENGTH: 22 343 <212> TYPE: RNA 344 <213> ORGANISM: Human 346 <400> SEQUENCE: 37 347 aaaagcuaga aggagacugg gu 22 350 <210> SEQ ID NO: 38 351 <211> LENGTH: 22 352 <212> TYPE: RNA 353 <213> ORGANISM: Human 355 <400> SEQUENCE: 38 356 aaaagugccu gcugcugcuu cu 22				
335 <213> ORGANISM: Human 337 <400> SEQUENCE: 36 338 uuggaguaau ucaguauagg uu 22 341 <210> SEQ ID NO: 37 342 <211> LENGTH: 22 343 <212> TYPE: RNA 344 <213> ORGANISM: Human 346 <400> SEQUENCE: 37 347 aaaagcuaga aggagacugg gu 22 350 <210> SEQ ID NO: 38 351 <211> LENGTH: 22 352 <212> TYPE: RNA 353 <213> ORGANISM: Human 355 <400> SEQUENCE: 38 356 aaaagugccu gcugcugcuu cu 22	333	<211> LENGTH: 22		
337 <400> SEQUENCE: 36  338 uuggaguaau ucaguauagg uu  341 <210> SEQ ID NO: 37  342 <211> LENGTH: 22  343 <212> TYPE: RNA  344 <213> ORGANISM: Human  346 <400> SEQUENCE: 37  347 aaaagcuaga aggagacugg gu  22  350 <210> SEQ ID NO: 38  351 <211> LENGTH: 22  352 <212> TYPE: RNA  353 <213> ORGANISM: Human  355 <400> SEQUENCE: 38  356 aaaagugccu gcugcugcuu cu  22	334	<212> TYPE: RNA		
338 uuggaguaau ucaguauagg uu  341 <210> SEQ ID NO: 37  342 <211> LENGTH: 22  343 <212> TYPE: RNA  344 <213> ORGANISM: Human  346 <400> SEQUENCE: 37  347 aaaagcuaga aggagacugg gu  22  350 <210> SEQ ID NO: 38  351 <211> LENGTH: 22  352 <212> TYPE: RNA  353 <213> ORGANISM: Human  355 <400> SEQUENCE: 38  356 aaaagugccu gcugcugcuu cu  22	335	<213> ORGANISM: Human		
341 <210> SEQ ID NO: 37  342 <211> LENGTH: 22  343 <212> TYPE: RNA  344 <213> ORGANISM: Human  346 <400> SEQUENCE: 37  347 aaaagcuaga aggagacugg gu 22  350 <210> SEQ ID NO: 38  351 <211> LENGTH: 22  352 <212> TYPE: RNA  353 <213> ORGANISM: Human  355 <400> SEQUENCE: 38  356 aaaagugccu gcugcugcuu cu 22		· ·		
342 <211> LENGTH: 22 343 <212> TYPE: RNA 344 <213> ORGANISM: Human 346 <400> SEQUENCE: 37 347 aaaagcuaga aggagacugg gu 22 350 <210> SEQ ID NO: 38 351 <211> LENGTH: 22 352 <212> TYPE: RNA 353 <213> ORGANISM: Human 355 <400> SEQUENCE: 38 356 aaaagugccu gcugcuucu 22		5 5	uu	22
343 <212> TYPE: RNA 344 <213> ORGANISM: Human 346 <400> SEQUENCE: 37 347 aaaagcuaga aggagacugg gu 22 350 <210> SEQ ID NO: 38 351 <211> LENGTH: 22 352 <212> TYPE: RNA 353 <213> ORGANISM: Human 355 <400> SEQUENCE: 38 356 aaaagugccu gcugcugcuu cu 22		= <del>-</del>	·	
344 <213> ORGANISM: Human 346 <400> SEQUENCE: 37 347 aaaagcuaga aggagacugg gu 22 350 <210> SEQ ID NO: 38 351 <211> LENGTH: 22 352 <212> TYPE: RNA 353 <213> ORGANISM: Human 355 <400> SEQUENCE: 38 356 aaaagugccu gcugcugcuu cu 22				
346 <400> SEQUENCE: 37  347 aaaagcuaga aggagacugg gu 22  350 <210> SEQ ID NO: 38  351 <211> LENGTH: 22  352 <212> TYPE: RNA  353 <213> ORGANISM: Human  355 <400> SEQUENCE: 38  356 aaaagugccu gcugcugcuu cu 22				
347 aaaagcuaga aggagacugg gu 22 350 <210> SEQ ID NO: 38 351 <211> LENGTH: 22 352 <212> TYPE: RNA 353 <213> ORGANISM: Human 355 <400> SEQUENCE: 38 356 aaaagugccu gcugcugcuu cu 22				
350 <210> SEQ ID NO: 38  351 <211> LENGTH: 22  352 <212> TYPE: RNA  353 <213> ORGANISM: Human  355 <400> SEQUENCE: 38  356 aaaagugccu gcugcugcuu cu  22		<del></del>	gu	22
351 <211> LENGTH: 22 352 <212> TYPE: RNA 353 <213> ORGANISM: Human 355 <400> SEQUENCE: 38 356 aaaagugccu gcugcugcuu cu 22			<del>5-</del>	
352 <212> TYPE: RNA 353 <213> ORGANISM: Human 355 <400> SEQUENCE: 38 356 aaaagugccu gcugcuu cu 22				
355 <400> SEQUENCE: 38 356 aaaagugccu gcugcuu cu 22				
356 aaaagugccu gcugcuu cu 22	353	<213> ORGANISM: Human		
359 <210> SEQ ID NO: 39			cu	22
	359	<210> SEQ ID NO: 39		

Input Set : F:\ReplacementSeqList.txt Output Set: N:\CRF4\09252006\J707980B.raw

#### Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:142677; N Pos. 33,37,38,42,43,47,48,50 Seq#:142679; N Pos. 3,4,8,9

VERIFICATION SUMMARY

DATE: 09/25/2006

PATENT APPLICATION: US/10/707,980B

TIME: 09:43:28

Input Set : F:\ReplacementSeqList.txt
Output Set: N:\CRF4\09252006\J707980B.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application No

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date L:1288587 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:142677 after pos.:0 L:1288615 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:142679 after pos.:0